

Product datasheet for **RG230975**

YY1 associated factor 2 (YAF2) (NM_001190977) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: YY1 associated factor 2 (YAF2) (NM_001190977) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: YAF2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG230975 representing NM_001190977
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAGACAAGAAGAGCCCCACCAGGAAACCTCGACCTGTCTCCAGTTGGTTGCACAGCAGGTTACTC
AGCAGTTTGTGCCTCCTACACAGTCAAAGAAAGAGAAAAAGATAAAGTAGAAAAAGAAAAAGTAAAA
GGAAACAAGTACAAAAAGAAATAGCCATAAGAAAACAGGCCAAGATTGAAAAATGTGGATCGGAGTAGT
GCTCAGCATTGGAAAGTTACTGTTGGAGATCTGACAGTCATTATTACAGACTTTAAGGAGAAAAACAAGT
CACCGCCTGCATCTAGTGTCTTCTGCAGATCAACACAGTCAAAGCGGCTCTAGCTCTGATAACACAGA
GAGAGGAATGTCCAGGTCATCTTACCCAGAGGAGAAGCCTCATCATTGAATGGAGAATCTCAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG230975 representing NM_001190977
Red=Cloning site Green=Tags(s)
MGDKKSPTRKPRPVSQLVAAQVVTQFVPPPTQSKKEKDKVEKEKSEKETTSSKNSHKTRPRLKNVDRSS
AQHLEVTVGDLTVIITDFKEKTKSPPASSAASADQHSQSGSSSDNTERGMSRSSSPRGEASSLNGESH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

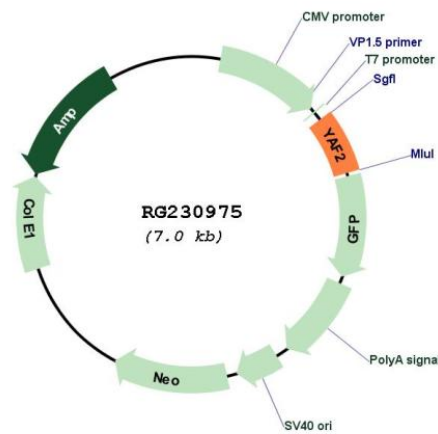


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001190977

ORF Size: 414 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001190977.2
RefSeq Size:	4009 bp
RefSeq ORF:	417 bp
Locus ID:	10138
UniProt ID:	Q8IY57
Cytogenetics:	12q12
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	This gene encodes a zinc finger containing protein that functions in the regulation of transcription. This protein was identified as an interacting partner of transcriptional repressor protein Yy1, and also interacts with other transcriptional regulators, including Myc and Polycomb. This protein can promote proteolysis of Yy1. Multiple alternatively spliced transcript variants have been found. [provided by RefSeq, Feb 2016]